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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/046,226	01/16/2002	Xi Shen	8895	4379
26890	7590 10/04/2006		EXAMINER	
JAMES M. STOVER NCR CORPORATION 1700 SOUTH PATTERSON BLVD, WHQ4 DAYTON, OH 45479			DESHPANDE, KALYAN K	
			ART UNIT	PAPER NUMBER
			3623	

DATE MAILED: 10/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/046,226	SHEN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Kalyan K. Deshpande	3623				
The MAILING DATE of this communication app Period for Reply	-	orrespondence ac	ddress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. sely filed the mailing date of this of (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 19 Ju	ne 2006.					
·= · ·	action is non-final.					
3) Since this application is in condition for allowar		secution as to the	e merits is			
closed in accordance with the practice under E						
Disposition of Claims						
4) Claim(s) <u>1,3-8,10-14 and 16-21</u> is/are pending	in the application.					
4a) Of the above claim(s) is/are withdraw						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>1, 3-8, 10-14, and 16-21</u> are subject to	o restriction and/or election requi	rement.				
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is obj	ected to. See 37 C	FR 1.121(d).			
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	TO-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents	s have been received. s have been received in Applicati	on No	l Stage			
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
		•				
Attachment(s)	_					
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail Da					
Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO/SB/08)	5) D Notice of Informal P					
Paper No(s)/Mail Date	6) Other:					

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### **Election/Restriction**

#### Introduction

1. The following is an election/restriction in response to the communications received on July 19, 2006. Claims 1, 3-8, 10-14, and 16-21 are restricted in this application.

## **Response to Amendments**

2. Applicants' amendments to claims 1, 8, and 16-19 are acknowledged.

Applicants' cancellation of claims 2, 9, and 15 is acknowledged.

#### Election/Restrictions

- 3. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claims 1, 3-8, and 10-14 are drawn to developing a customer retention model, classified in class 705, subclass 8.
  - II. Claims 16-21 are drawn to applying a customer retention model, classified in class 705, subclass 8.
- Inventions are distinct, each from the other because of the following reasons:

  Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the developing of a customer retention model does not require the specific steps of "determining a frequency value for

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each customer", "determining a net revenue contribution value", and "scoring the frequency value and net revenue". These steps only recite one specific model that does not necessarily need to be applied to the combination. The subcombination has separate utility such as a customer value model. The application of this model is separate from the identification and generation of the model.

The examiner has required restriction between combination and subcombination inventions. Where applicant elects a subcombination, and claims thereto are subsequently found allowable, any claim(s) depending from or otherwise requiring all the limitations of the allowable subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP § 821.04(a). Applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over

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the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kalyan K. Deshpande whose telephone number is (571) 272-5880. The examiner can normally be reached on M-F 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on (571) 272-6729. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Kalyan Bodymen

Business Center (EBC) at 866-217-9197 (toll-free).

O.Michelle Tarae

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